

Figure 1/2
Sequence of the equine GM-CSF gene

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1  ATG TGG CTG CAG AAC CTG CTT CTT CTG GGC ACT GTG GTT TAC AGC ATG CCC GCA CCC ACC
   TAC ACC GAC GTC TTG GAC GAA GAA GAC CCG TGA CAC CAA ATG TCG TAC GGG CGT GGG TGG
1▶ M  W  L  Q  N  L  L  L  L  G  T  V  V  Y  S  M  P  A  P  T

61  CGC CAA CCC AGC CCT GTC ACT CCG CCC TGG CAG CAT GTG GAT GCC ATC AAG GAG GCC CTG
   GCG GTT GGG TCG GGA CAG TGA GCC GGG ACC GTC GTA CAC CTA OGG TAG TTC CTC CGG GAC
21▶ R  Q  P  S  P  V  T  R  P  W  Q  H  V  D  A  I  K  E  A  L

121 AGC CTT CTG AAC AAC AGT AGT GAC ACT GCT GCT ATC ATG AAT GAA ACA GTA GAA GTC GTC
   TCG GAA GAC TTG TTG TCA TCA CTG TGA CGA CGA TAG TAC TTA CTT TGT CAT CTT CAG CAG
41▶ S  L  L  N  N  S  S  D  T  A  A  I  M  N  E  T  V  E  V  V

181 TCT GAA ACG TTT GAC GCC GAG GAG CTG ACA TGC CTG CAG ACT CGC CTG AAG CTG TAC AAA
   AGA CTT TGC AAA CTG CCG CTC CTC GAC TGT ACG GAC GTC TGA GCG GAC TTC GAC ATG TTT
61▶ S  E  T  F  D  A  E  E  L  T  C  L  Q  T  R  L  K  L  Y  K

241 CAG GGC TTG CCG GGC AGC CTC ATC AAG CTC GAA GGC CCC TTG ACC ATG ATG GCC AGC CAC
   GTC CCG AAC GCC CCG TCG GAG TAG TTC GAG CTT CCG GGG AAC TGG TAC TAC CCG TCG GTG
81▶ Q  G  L  R  G  S  L  I  K  L  E  G  P  L  T  M  M  A  S  H

301 TAC AAG CAG CAC TGC CCC CCC ACC CTG GAA ACT TCC TGT GCA ACC CAG ATG ATC ACC TTC
   ATG TTC GTC GTG-ACG GGG GGG TGG GAC CTT TGA AGG ACA CGT TGG GTC TAC TAG TGG AAG
101▶ Y  K  Q  H  C  P  P  T  L  E  T  S  C  A  T  Q  M  I  T  F

361 AAA AGT TTC AAA AAG AAC CTG AAG GAT TTT CTG TTT GAG ATC CCG TTT GAC TGC TGG AAG
   TTT TCA AAG TTT TTC TTG GAC TTC CTA AAA GAC AAA CTC TAG GCG AAA CTG ACG ACC TTC
121▶ K  S  F  K  K  N  L  K  D  F  L  F  E  I  P  F  D  C  W  K

421 CCA GCC CAG AAG TAA
   GGT CCG GTC TTC ATT
141▶ P  A  Q  K

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Figure 2/2
Restriction map of the plasmid pJP097

